

Classroom Exercise 2

Name: _____

FILL IN THE BLANKS

The proposed plan on ATTACHMENT A is for a 3 bedroom home. Answer the questions by referring directly to the drawing, as if you were actually reviewing the plan.

1. Is the well located properly per the Public Health Code? _____(yes or no)
If no, why not? _____
2. Calculate the minimum drop required for the 4" diameter sewer pipe running between the foundation and the septic tank?
_____ (in inches); _____ (in feet)
3. How much effective leaching area is required for this proposal? _____ (SF)
4. How much effective leaching area is provided by this plan? _____ (SF)
5. What is the average slope of the ground in the sewage disposal area (two arrows shown on the plan)? _____ (%)
6. What is the Minimum Leaching System Spread (MLSS) required for this application?
MLSS= _____ (HF) X _____ (FF) X _____ (PF) = _____ (feet)
7. What is the general direction of the hydraulic gradient (slope) of the property?
(north, south, east or west) _____
8. Based on the soil results from Test Pit B, how many inches above original grade will the minimum finish grade be for this system in the area of Test Hole B?
_____ (inches)
9. Has a suitable reserve area been provided? _____ (yes or no), if no, give reasons why not:

Name: _____

Classroom Exercise 3

FILL IN THE BLANKS

The proposed plan on ATTACHMENT B is for a 85 seat restaurant serving lunch and dinner w/ restrooms.

1. What would be the design flow for this proposal? _____ (GPD)
2. What would be the minimum effective leaching area required for this proposal?
_____ (SF)
3. What is the effective leaching area being provided on this plan?
_____ (SF)
4. What percentage of the minimum effective leaching area is being provided on this plan? _____ (%)
5. What would be the minimum drop required for a 6-inch sewer line running between the building and the grease trap? _____ (inches)
6. What minimum size septic tank is required by code for this application?
_____ gallons
7. Is the grease trap size and configuration being provided on the plan acceptable per the PHC? (answer yes/no and provide an explanation)

8. What is the average slope across the proposed leaching area? _____ (%)
9. What is the minimum center-to-center spacing required between each leaching system row? _____ (feet)
10. The Minimum Leaching System Spread required for this application would be:
MLSS= _____ (HF) X _____ (FF) X _____ (PF) = _____ (feet)
11. What is the general direction of the hydraulic gradient (slope) of the property?
(north, south, east or west) _____
12. Does this plan have to be sent to the State Dept. of Public Health for review and approval? _____ (yes or no)